SR 520 Operations, Maintenance, and Rehabilitation

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Washington State Transportation Commission May 19, 2010

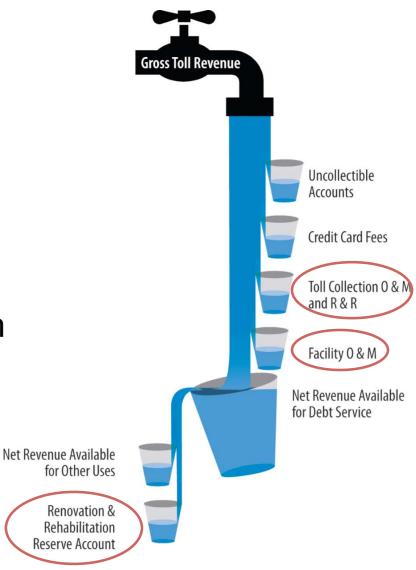


Presentation Agenda

- Explain relationship between operations and maintenance (O & M) and toll rate setting discussion
- Quick update on SR 520 preferred alternative
- Overview of facility O & M and repair and rehabilitation (R & R) activities
- Overview of toll collection O & M and R & R activities
- Next steps

Funding O & M and R & R with Toll Revenue

- O&M and Toll Collection
 System R&R costs are incurred prior to debt service.
 - Affects net revenue available for financing
 - Typically required by investors
 - Non-Toll Collection System R&R costs are incurred after debt service.



What Are O & M Activities?

The <u>routine</u>, ongoing activities required to:

- Prolong the useful life of the facility and related assets
- Keep traffic moving safely and efficiently
- Ensure continued, uninterrupted revenue operations

Bridge/roadway maintenance (M Program)





Traffic operations (Q Program)





Toll collection operations







What are R & R activities?

The <u>periodic</u> repair & rehabilitation of capital facility inventory. (P Program)

Examples of facility R&R

- Repaving
- Replacing guardrail
- Replacing ITS
- Replacing anchor cables

Examples of toll collection R&R

- Upgrading toll collection software
- Replacing toll collection hardware
- Replacing field hardware





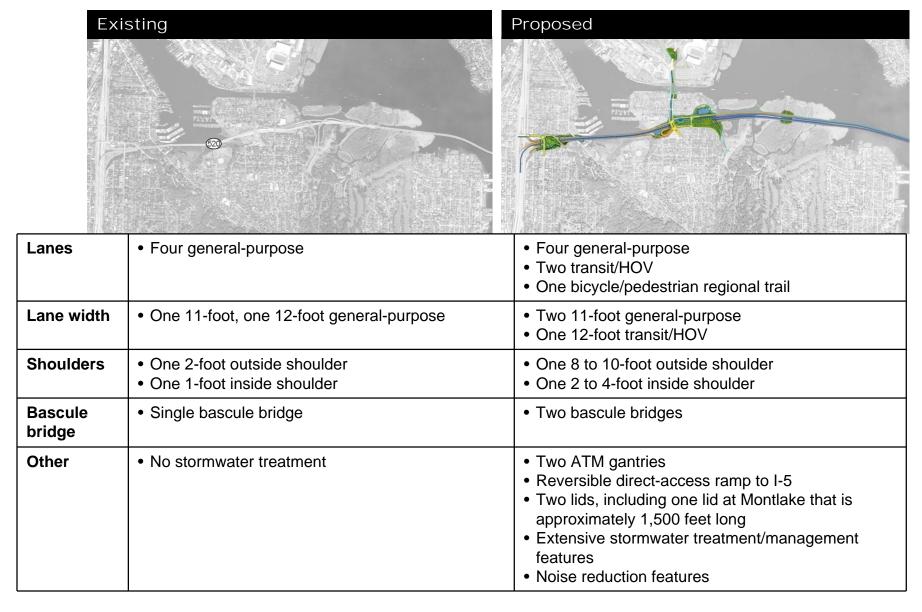
SR 520 News: Preferred Alternative in Seattle

Preferred Alternative Overview

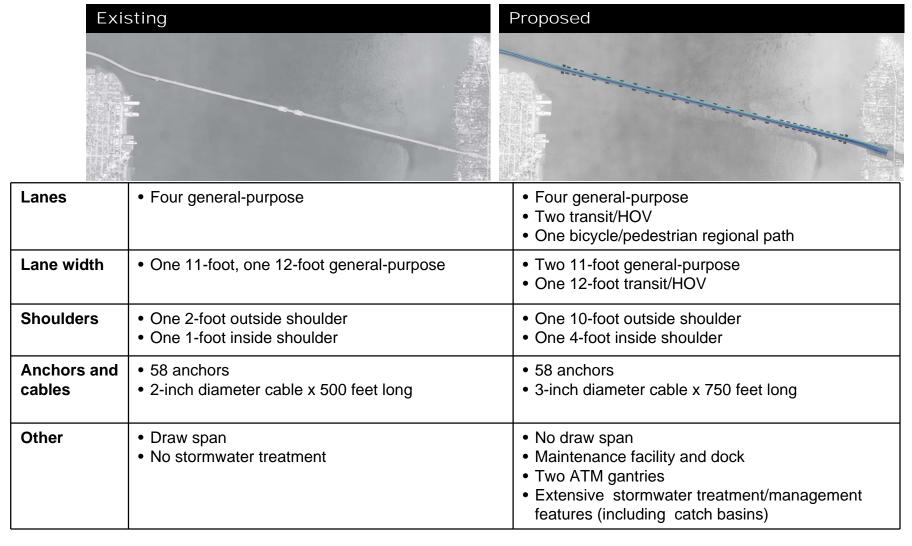




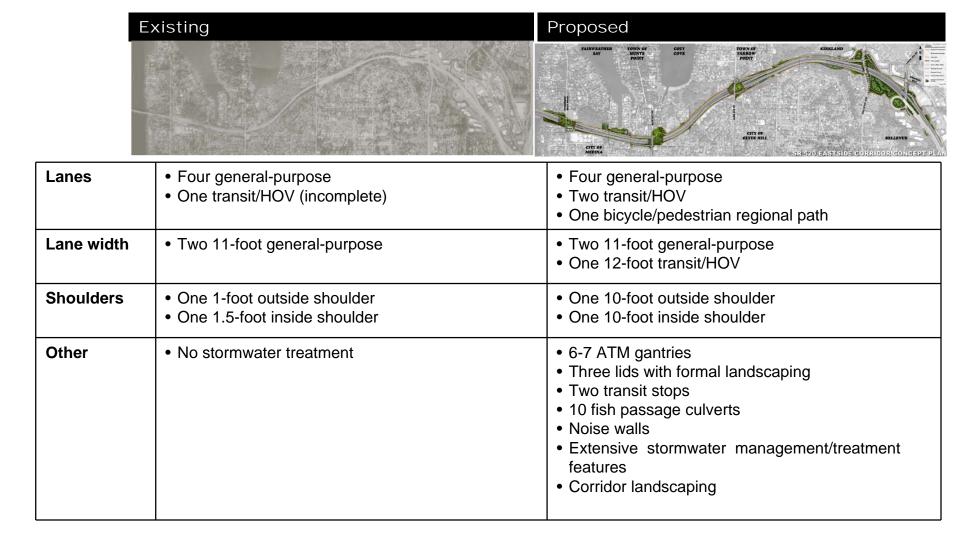
Key O & M and R & R Features: I-5 to West Approach



Key O&M and R&R features: Floating Bridge



Key O&M and R&R features: Eastside



Traffic Operations



- Active Traffic Management (ATM)
- Incident Response Team (IRT)
- Traffic Management Center (TMC)

R & R Overview – Sample Life Info

Activity	Frequency
PCC Pavement	25 yrs
HMA Pavement	10 yrs
Anchor Cables	20 yrs
Active Traffic Management	15 yrs

Process For Finalizing Facility O & M and R & R Cost Estimates

Key players:

Project engineer and maintenance superintendents

Key steps:

- Task force to review and validate data
 - Historical for existing and projected for new corridor
- Refine data to match scope of preferred alternative and expectations for maintenance

Toll Collection Operations



Toll Collection System





Customer Service Center

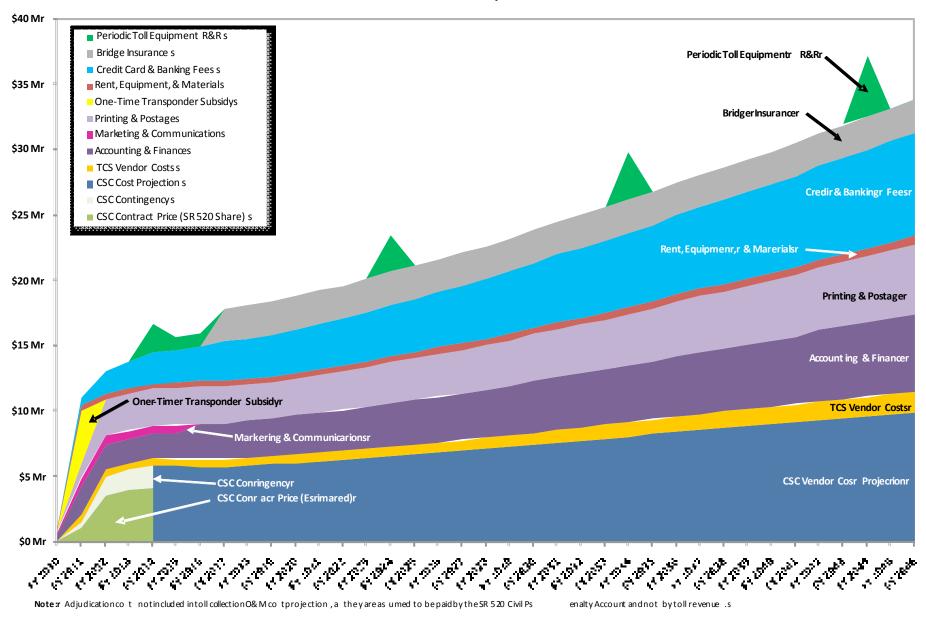


State Operations

Toll Collection Systems O&M and R&R

- Annual O&M costs based on vendor bids received in April 2010 for the new TCS contract, which includes:
 - Field maintenance
 - System administration
 - Electronic toll collection application maintenance
- Periodic Toll Collection System R&R costs
 - Equipment assumed to be replaced on a 10-year cycle
 - Required to maintain continuous revenue operations
 - Paid from toll revenues in the same manner as routine toll collection
 O & M costs and prior to annual debt service

SR520 Toll Collection O&M Cost Components r — FY 2010r46Or



Efficiencies / Economies of Scale

One Customer Service Center for all tolled facilities:

- SR 520
- Tacoma Narrows Bridge
- SR 167
- Any additional future toll facilities

Uniform message on how to pay tolls

Next Steps

- •Complete our O & M and R & R cost estimation validation process.
- •Early June: Report back to Commission on O & M and R & R cost estimates to be included in toll rate setting discussions.

Questions?

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